

24850 Farley, Bucyrus, KS 66013 Phone 913.533.9900 Fax 913.533.9955

RECEIVED

AUG 21 2009

Mo Oil & Gas Council

8/19/2009

Geological Survey Program P.O. Box 250 Rolla, MO 65402

Dear Commissioners,

Osborn Energy, LLC, having its principal place of business at 24850 Farley, Bucyrus, KS 66013 is requesting that the Geological Survey Program keep all information for the following well confidential for the maximum amount of time allowed.

LEASE NAME:	Bagby	WELL #:	2-32	
Permit #:	20382		***************************************	
	Sec 32	Twn 42	Rng 32W	

Sincerely, Custin Hawsen

Curstin Hamblin

Geologist

Osborn Energy, LLC.

7/17/2009

Geological Survey Program P.O. Box 250 Rolla, MO 65402

Dear Commissioners,

Osborn Energy, LLC, having its principal place of business at 24850 Farley, Bucyrus, KS 66013 is requesting that the Geological Survey Program keep all information for the following well confidential for the maximum amount of time allowed.

LEASE NAME:	Bagby	WELL #:	2-32	
Permit #:	20382			
	Sec 32	Twn 42N	Rng 32W	

Sincerely,

Curstin Hamblin

Geologist

Osborn Energy, LLC.

Custin Hamben



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES

FEB 1 3 RE CEIVED

200	EOLOGICAL SU							
NAME OF COMPANY	OR OPERATOR	☐ DEEPEN	PLUG	BACK 🛛	FOR AN OIL W	/ELL M	DOP 9	AS-WELL Cas Co
Osborn Energ						-	000	
ADDRESS	9), LLO	***************************************	C	ITY		2/11/20 STATE	ZIP CO	ODE
24850 Farley			E	Bucyrus		KS	660	13
DESCRIPTION	OF WELL AND	LEASE				E SALE	H HANK	Dog Sun Land
NAME OF LEASE				ELL NUMBER			N (GROUND	3, 230 Mil. 30 Sellam III.
Bagby WELL LOCATION				-32 ROM SECTION LINES	2)	968		
WELL LOOKHON	2292	ft from \ \ \ North \	South section line			acation line		
WELL LOCATION			U	ATITUDE	LONGITUDE	COUNTY	,	
Sec. <u>32</u> Tow	nship 42 North	Range 32 D	ast West 38	.40338 - _24_12.116 -	94.47655	Bates		
			OPERTY OR LEASE L		7, 30,00			
	PROPOSED LOCATI	ON TO NEAREST DR	ILLING, COMPLETED	OR APPLIED - FOI	R WELL ON THE SA	ME LEASE S	330 FEET	
PROPOSED DEPTH		CONTRACTOR, NAME			ROTARY OR CABL	E TOOLS A	PPROX. DAT	E WORK WILL START
050 NUMBER OF ACRES		n Energy, LLC	24850 Farley, Bu	icyrus, KS	1	2	2/13/2009	9
138.15	NUMBE	R OF WELLS ON LEA	SE INCLUDING THIS V	VELL, COMPLETED	O IN OR DRILLING T	O THIS RES	ERVOIR 2	
100.10	NUMBER	R OF ABANDONED W	ELLS ON LEASE 1					
F LEASE PURCHA	ASED WITH ONE OR	MORE WELLS DRILL	ED, FROM WHOM PU	RCHASED?	NO. C	F WELLS	PRODUC	CING 0
NAME								TION <u>0</u>
ADDRESS								TIVE 0
		☐ SINGLE WELL		☐ BLANK	ET BOND	T	Ø ON F	NED 1
STATUS	OF BOND		T \$ 30000.00		☐ ATTA			
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			portiana			+		> ok
650'	2 7/8"		portland					
eport, and that		repared under my	e <u>OELLC</u> (Compa supervision and o					
0						7.11	09	
PERMIT NUMBER	Sur Tran	upln ,			*** - Pro-Evel-44 10 Major - 10 - 10	2.11.	09	
PERMIT NUMBER	2038	2	DRILLER'S LOG R		6	S REQUIRED) IF RUN	
	2038	2	CORE ANALYSIS	REQUIRED IF RUN	D DRILL	S REQUIRED) IF RUN	QUIRED IF RUN
PPROVED DATE	2038 3-5-0 L A.		\bigcirc	REQUIRED IF RUN RED 10 CUH REQUIRED	D DRILL	S REQUIRED) IF RUN	QUIRED IF RUN
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PPROVED DATE PPROVED BY IOTE PPROVAL OF THE	THIS PERMIT N	OT TRANSFERA	CORE ANALYSIS IN SAMPLES REQUIFED SAMPLES NOT REDUITED WATER SAMPLES BLE TO ANY OTHER DOES NOT CONSTITUTE TO SAMPLES	REQUIRED IF RUN RED (O COH QUIRED REQUIRED AT	OR TO ANY OT	S REQUIRED SYSTEM TES	O IF RUN ST INFO RE	
PPROVED BY O2 NOTE PPROVAL OF THE VELL NOR ENDOR	THIS PERMIT N S PERMIT BY THE OF	OT TRANSFERA IL AND GAS COUNCI JALIFICATIONS OF TO y), confirm that ar	CORE ANALYSIS IN SAMPLES REQUIF SAMPLES NOT RE WATER SAMPLES BLE TO ANY OTHEL DOES NOT CONSTITUTE PERMITTEE The approved drilling	REQUIRED IF RUN RED 10 COH REQUIRED AT HER PERSON OF TUTE ENDORSEMI Permit has bee	OR TO ANY OTHER OF THE GEOLES	S REQUIRED SYSTEM TES HER LOCA DGIC MERIT	ATION. S OF THE P	PROPOSED Council
VELL NOR ENDOR	THIS PERMIT N S PERMIT BY THE O SEMENT OF THE QU (Compan permit will be sho	OT TRANSFERA IL AND GAS COUNCI JALIFICATIONS OF TO y), confirm that ar	CORE ANALYSIS IN SAMPLES REQUIFED SAMPLES NOT REDUITED WATER SAMPLES BLE TO ANY OTHER DOES NOT CONSTITUTE	REQUIRED IF RUN RED 10 COH REQUIRED AT HER PERSON OF TUTE ENDORSEMI Permit has bee	OR TO ANY OTHER OF THE GEOLES	S REQUIRED SYSTEM TES HER LOCA DGIC MERIT	ATION. S OF THE P	PROPOSED Council



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL LOCATION PLAT

RECEIVED

FORM OGC-4

MAR 0 4 2009

OWNER'S NAME	- 0.0	Council
Osborn Energy, LLC	Mo Oil & Gas	
0 22	#20382 COUNT	
Bagby 2-34 WELL LOCATION (GIVE FOOTAGE FROM	Date	18
2292 ft. from North South from section line	701 ft. from ⊠ East ☐ West from	section line
WELL LOCATION		in City Q
Sec. 32 Township 42 North Range 32 East West	LONGITUDE	an an a
)	1 1 5
Lease 1	ine (
Level		
N)		
	CTR Sec.32	
4	CIK Sec. 32	, Bag by 2-32)
		701'FEL)
	steins	
/	1962	Steins 2
	(b)	1248 FSL
		WOFEL
		2292'FSL
		12019130
REMARKS		
INSTRUCTIONS	This is to certify that I have executed	a survey to accurately
MOTROCHORO	locate oil and gas wells in accordance	with 10 CSR 50-2.030 and
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the	that the results are correctly shown or	i the above plat.
nearest well on the same lease completed in or drilling to the		
same reservoir. Do not confuse survey lines with lease lines.		
See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.		
	REGISTERED LAND SURVEYOR	NUMBER
REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM		
PO BOX 250, ROLLA, MO 68402-0250 (673) 368-2143	PARTIE CARE	
ONE (1) COPY WILL BE RETURNED		

-55 J 1 2009

* CORRECTION*

FEB 1 3 2009

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STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

■ APPLICATION		☐ DEEPEN	☐ PLUC	BACK 🛛	FOR AN O		OR O	DAS WEUE	
NAME OF COMPANY OR OF						DATE			
Osborn Energy, L	<u>LC</u>			CITY		2/11/20 STATE	ZIP C	ODE	
24850 Farley				Bucyrus		KS	660	013	
DESCRIPTION OF	WELL AN	DLEASE	STATE OF THE			THE PERIOD			
NAME OF LEASE				WELL NUMBER			N (GROUND		
WELL LOCATION	1 100			2-32	<u> </u>	998	* 88	<u> </u>	
WELL LOCATION	* 1591 2292	n. from 図 North 図		e 701 ft. from		West section line			
Sec. 32 Township	42 North	Bange 32 FTE	ast 🖾 West		ONGITUDE	Bates			
NEAREST DISTANCE F				LINE 201 FEET *	261				
DISTANCE FROM PROP	OSED LOCA		ILLING, COMPLETE		WELL ON TH	CABLE TOOLS	PPROX. DA	# 4977 TE WORK WILL START	
650	Osbo	orn Energy, LLC	24850 Farley, E	Bucyrus, KS			2/13/200	19 4/26/09*	
NUMBER OF ACAFS IN LEA	NUMB	ER OF WELLS ON LEA	SE INCLUDING THIS	WELL, COMPLETED	IN OR DRILL	ING TO THIS RES	SERVOIR &	13	
938.15	NUMB	EH OF ABANDONED W	ELLS ON LEASE 1						
IF LEASE PURCHASED	WITH ONE O	A MORE WELLS DRILL	ED, FROM WHOM F	PURCHASED?		NO. OF WELLS	PRODU		
NAME							334100000	CTIVE 0	
ADDRESS							ABAND		
	STATUS OF BOND SINGLE WELL AMOUNT \$ AMOUNT \$ 30000.00 WARKS: (IF THIS IS AN APPLICATION TO DEEPEN OF PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODU						Ø ON FILE ☐ ATTACHED		
INJECTION ZONE: USE BAC	and and the Section of Sections		V			The track of the delication of the contract of			
AMOUNT	SIZE	ASING PROGRAM WY/FT	CEMENT	AMOUNT	SIZE	O BE FILLED IN I	TIFT	CEMENT	
20'	7"	 	portland		0.22				
		NAT 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	_				,	3, OK /	
650'	2 7/8*		portland						
I, the Undersigned, report, and that this complete to the bes	report was	prepared under m	ne <u>OELLC</u> (Con y supervision an	npany), and that I d direction and the	am authori at the facts	zed by said co stated therein	ompany to are true	o make this , correct, and	
Custo.	i +10	u boni					.09		
APPROVED DATE	a.	382 09	SAMPLES REC SAMPLES NOT WATER SAMPL	IS REQUIRED IF RUN JUIRED / Ú · / Lv t REQUIRED LES REQUIRED AT	ligs	E-LOGS REQUIRE DRILL SYSTEM TO	ED IF RUN	REQUIRED IF RUN	
		NOT TRANSFER							
APPROVAL OF THIS PE				STITUTE ENDORSEM	ENT OF THE	GEOLOGIC MERI	TS OF THE	PROPOSED	
	(Comp	any), confirm that a	an approved drilli	ng permit has bee	n obtained	by the owner re of authorize	of this w	ell. Council representative.	
DRILLER'S SIGNATURE						DATE	~		

* CORRECTION *



STATE OF MISSOURI MIBSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM WELL LOCATION PLAT RECEIVED

FORM OGC-4

MAR 0 4 2009

SEOFN ENERGY, LLC			Mo	OII 8	Gas (انادا	ngit	
2 22		#20	382		Bates			
LLOCATION 1596 * *N	(GIVE FOOTAGE FROM	SECTION LINE	261	* W				
2292 ft. from North		(Q1 R.	rom 🗷 🙈					
c. 32 Township 42 North Range 32	☐ East ⊠ West	LONGITUDE			Man 1	1 (4	
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	Leace	1116	1					
~	1276					-		
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And							2	
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			-22 22 22				21.72	
INSTRUCTIONS		locate oil	certify that I	le in aco	ordance wit	h 10 (38 ABC	2.030 and
the above plat, show distance of the properties negrest section lines, the negrest lease	posed well from the	that the r	esulta are co	rrectly si	hown on the	abov	e plet	
areat well on the same lease completed in reservoir. Do not confuse survey line	n or drilling to the					V 97		
e rule 10 CSR 50-2.030 for survey requires to marked.	rements. Lease linea				. 11.			
REMIT TWO (2) COPIES 1	·O:	REGISTERE	LAND SURVEYO	OM .		NUMBE	n end	
GEOLOGICAL SURVEY PRO PO BOX 250, ROLLA, MO 68402-0250 ONE (1) OOPY WILL BE RETU	GRAM (573) 368-2143						02	

-44 7008

* CORRECTION*

FEB # 3 2009

FORM OGC-3



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

☐ APPLICATI		_ DEEPER	PLUC	BACK 🛛	FOR AN OIL W	HELL DE	OR:	GAS WELLE
NAME OF COMPANY						DATE		177 - L. 18 T. 177 - 184 - 184 - 184 - 184 - 184 - 184 - 184 - 184 - 184 - 184 - 184 - 184 - 184 - 184 - 184 -
Osborn Energ	JY, LLC			CITY		2/11/2		
24850 Farley						STATE	1	OODE
DESCRIPTION	OF WELL AN	ID LEASE		Bucyrus		KS	660	013
NAME OF LEASE				WELL NUMBER		ELEVATIO	N (GROUND	
Bagby		. Tag 1		2-32		998	* 88	
WELL LOCATION	* 149		(GIVE FOOTAGE	FROM SECTION LINES)		1		
WELL LOCATION	2292	h. from North			East West	T county	,	
Sec. 32 Town	ship 42 Norti	n Range 32 DE	1		SAGITODE	Bates		
		SED LOCATION TO PR		LINE ZOT FEET &	7(0)	Dates		
DISTANCE FROM F	PROPOSED LOCA	ATION TO NEAREST DE	BLLING, COMPLETED	OH APPLIED - FOR	WELL ON THE SA	MELEASE	3 2 0 FEET	X 4977
		ATION TO NEAREST DE			HOTARY OR CABL	E TOOLS	PPROX. DA	TE WORK WILL START
NUMBER OF ACRES I	Osb	orn Energy, LLC	24850 Farley, E	Bucyrus, KS			2/13/200	19 4/26/09*
938.15	NUME	BER OF WELLS ON LEA	SE INCLUDING THIS	WELL, COMPLETED	N OR DAILLING T	O THIS RES	SERVOIR-2	(3
300.15	NUME	BER OF ABANDONED W	ELLS ON LEASE 1				-	
IF LEASE PURCHA	SED WITH ONE C	OR MORE WELLS DRILL	ED, FROM WHOM PI	JRCHASED?	NO. C	F WELLS	PRODU	ICING Q
NAME								CTION O
ADDRESS							ABAND	ONED 1
STATUS C		SINGLE WELL		■ BLANKE	T BOND	**************************************	M ON	
		AMOUNT \$ TO DEEPEN OR PLUG BACK		AMOUNT	\$ 30000 00		ITA IT	ACHED
	PROPOSED	CASING PROGRAM		APPROVED	CASING - TO BE	FILLED IN F	Y STATE	SEOLOGIST
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	-	/FT	CEMENT
20'	7		portland					
								35 OK 1
650	2 7/6*		portland					
			<u> </u>			1		
complete to the	this report was	am the <u>Agent</u> of the prepared under moved the prepared under moved the prepared under moved the prepared to t	ne <u>OELLC</u> (Comi y supervision and	pany), and that I a I direction and that	m authorized to the facts state	y said co d therein	mpany to are true,	make this correct, and
BIGNATURE	±: -1/=	1				DAYE	- ()	
PERMIT NUMBER	IN THO	William,		T) WHENCE AND I		2:11	03	
	76	1382	DRILLER'S LOG	REQUIRED	E-1.00	S REQUIRE	D IF RUN	
APPROVED DATE	3-5-	- 0	CORE ANALYSIS			SYSTEM TE	ST INFO R	EQUIRED IF RUN
	3-1	12.00	SAMPLES REQU		75			
APPROVED BY	L a.	/ W	☐ WATER SAMPLE					
70-7		_ buman		/ mus				a
		NOT TRANSFERA						
		OIL AND GAS COUNC QUALIFICATIONS OF T		TITUTE ENDORSEMEN	NT OF THE GEOL	OGIC MERIT	S OF THE	PROPOSED
			V 1.1.				2.500	
approval of the	(Comp	any), confirm that a	n approved drillin	g permit has been	obtained by th	e owner o	of this we	ii. Council
abbiosai oi nus l			- to condense of -	narmit number	d aignature of			
Many Tare		shown on this form	by presence of a	permit number an	d signature of a		council	representative.
DRILLER'S SIGNATURE		snown on this torm i	by presence of a	permit number an	d signature of a	DATE	council	representative.

O つむらびが - ケンアビジエ

* CORRECTION*



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM WELL LOCATION PLAT RECEIVED

FORM 0004

MAR 04 2009

NETS NAME	TON PLAT	Mo	Oll & Gas (Council			
Sporn Energy, LLC SENAME Agby 2-32 LLOCATION 11191-114	Andrews	#20382	county				
2292 It. from (North South from section line	SECTION LINES 959* 201 ft. from East	st West from sec	tion line			
c. 32 Township 42 North	Range 32 ☐ East ⊠ West	CONGITUDE	tion (·/ Q			
	Leasel	ine					
N	1 276' Baaby		***************************************				
	261'	CTR 5	ec.32	Bog by 2-32)			
)	\$		steins 1	701'FEL			
	\$.]		161 FE	Steins 2			
				2292'FSL			
AAKS							
the above plat, show distant nearest section lines, the narest well on the same least ne reservoir. Do not confus	NUCTIONS noe of the proposed well from the learest lease line, and from the completed in or drilling to the a survey lines with lease lines.	This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.					
GEOLÓGICAL S PO BOX 250, ROLLA, MO	(2) COPIES TO: SURVEY PROGRAM 0 65402-0260 (572) 368-2143 VILL BE RETURNED	AEGISTENED LAND SURVEYO		NUMBER			





CONFIDENTIAR ECEIVED STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES TEMBS Ed
GEOLOGICAL SURVEY PROGRAM

9-21-2010

AUG 2 1 2009

PLUGGING RECORD

OWNER'S NAM	ΙΕ						ADDRESS	/- Oi	1 & Gas	Coun	cil
Osborn E	nergy, LL	С					24850 Farley E	Bucyrus,	KS 66013		
NAME OF LEAS	SE						WELL NUMBER			MBER (OGC-3	OR OGC-31 NUMBER
Bagby LOCATION OF	WEI I	SEC TWN BNG	OR BLOCK AND	SURVEY			2-32	LONGIT	20382 UDE	COUNTY	
			ge <u>32</u> 🔲 Ea				2			Bates	
APPLICATION	TO DRILL THIS	WELL WAS FIL	ED IN NAME OF:	HAS	THIS WELL E		CHARACTER OF WELL	AT COMPLE		RODUCTION)	DRY?
Osborn E	nerav. LL	С			Yes 🖂		OIL (BBLS/DAY)		GAS (MCF/DAY	()	☐ Yes ⊠ No
DATE OF ABAN		TOTAL DEPT	н				0 PRIOR TO ABANDONMEN	NT T	WATER (BBLS/	(DAY)	
					BLS/DAY)		GAS (MCF/DAY)				
8/12/2009	,	440									
Name of each fo	ormation open to		Fluid content	of each t	formation	Depth in	sterval of each formation			and depth of plo g amount of cerr	
time of abandon	ment							-			
								Ceme	nted _93_	_Sx, top to	bottom
				T			GIVE DEPTH AND I	METHOD	T		
SIZE PIPE	PUT IN 1	WELL (FT)	PULLED O (FT)	UT	LEFT IN		OF PARTING CA (SHOT, RIPPED,			PACKERS AN	ND SHOES
0 = (01)	107.00					<u></u>					
2 7/8"	437.90		437.90		0		NA	IVA			
	-										
									<u> </u>		
	-										
							CONTAINING CONTAINING	S EDECH WA	TED		
_		D-LADEN FLUID	?			DEEPEST	ORMATION CONTAINING	FRESH WA	iich		
Yes	D ADDRE	No	DIACENT	LEAS	BKC E OPER	ATORS	OR OWNERS OF	F THE SI	URFACE		LAN TA MATERIA
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	NA	ME				ADDI	RESS		DINEC	TION FROM	THIS WELL
1	AUD PIT	Drille	ed with Air,	no m	nud						
FI	ITENTS LE THIS FORM	IN DUPLICATE	WITH: (USE REV	ERSE SI	DE FOR ADI	DITIONAL E	DETAIL)				
NOTE						ì	1				<u> </u>
certific to make th correct and	is report; a	ind that this	ned, state the report was t of my know	prepa	red unde	r my su	the <u>0 EUU</u> (Comp pervision and direc	any), and	d that I am a I that the fac	authorized cts stated ti	by said company nerein are true,
SIGNATURE		17	1							DATE	n.O.
('w	Atri.	Hay	bli						100 570/000 0	8.19.	09

ONE (1) COPY WILL BE RETURNED.

FORMATION	ТОР	воттом	DESCRIPTION (SEE * BELOW)
			See Geo Report ECEIVED AUG 21 2009
			Mo Oil & Gas Council

NOTE

Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open flowing and shut-in pressures, and recoveries.

INSTRUCTIONS

Attach drillers log or other acceptable log of well if available.

This Well Completion or Recompletion report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.

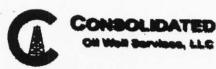
MO 780-0217 (6-06)

RECEIVED

AUG 21 2009

Mo Oil & Gas Council

SECFIAF!



AUG 2 1 2009

TICKET NUMBER 20156

Mo Oil & Gas Council FIELD TICKET & TREATMENT DEPOR

LOCATION Ottawa KS FOREMAN Fred mader

620-431-9210	or 800-467-867	6		CEMEN		KEP	OKI	m:	ssouri
DATE	CUSTOMER #	WEI	LL NAME & NUM	MBER	SECTI	ON	TOWNSHIP	RANGE	COUNTY
CUSTOMER	6073	Bagb	y 2-3	2	NE 1/4	32	42	32	Bates
	born F	nergy	LLC		TRUC	K#	DRIVER	TRUCK#	DRIVER
		, , ,			50		FreMad		
CITY	850 Fo	ISTATE	IZID CODE	4	49	5	Cas Ken		
Bucy	4 U S	K C	ZIP CODE		50	3	Arimed		
JOB TYPE_P	lug	HOLE SIZE_	6/4	HOLE DEPTH		2	CASING SIZE & W	EIGHT	
SLURRY WEIGHT	r	SLURRY VOL_		_TUBING WATER gal/si	27/2 L		CEMENT LEFT in (OTHER FI	, 11
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	Dru Oli	> C V	CULANI	on thy	u J	1/2	1 4	Milke	,

to Suitace to Plug apanhale Pull 2

Customer Supplied H20

ACCOUNT **QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT** CODE UNIT PRICE TOTAL 5405N 10+ 2 PUMP CHARGE lus to Abandon 87000 Yzof Jomi 5406 MILEAGE 540 7A 273.42 T/n 50/50 Por Mix Cement 1124 885KS 469# 1118B 6.8% SALES TAX ESTIMATED TOTAL

TITLE

DATE



Geological Report

Mo Oil & Gas Council

Bagby # 2-32

1596 FNL, 261 FWL Section: 32-T42-R32W Bates County, Missouri

Permit#:

20382

Elevation:

881' GL

Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)

6/25/2009

Production Bore Hole: 6 1/4 Rotary Total Depth: 440 on 6/29/2009

Drilling Fluid:

air

Surface Csg.:

7" set @ 21' in 9 4" hole with 3 sx

Production Csg.: 2 7/8" set at 437.90

Geologist:

Curstin Hamblin

Driller:

Brian Schwab

Formation E	Log Tops	Datum
Stark Shale	None	
Hushpuckney Shale	None	
Base Kansas City	None	
Knobtown Sand	None	
Carbonaceous Zone in Tacket Fm.	None	
"Big Lake" Sand	None	
South Mound Zone	None	
Hepler (Wayside) Sand	None	
"Upper" Mulberry Zone	None	
Mulberry Zone	79-82	802
Myrick Station	114-120	767
Lexington Zone	120-122	761
Summit	None	
Mulky	None	
Squirrel	191-207	690
Bevier	279	602
Croweburg	289-294	592
Fleming	300	581
Mineral		
Scammon	317-326	564
Rotary Total Depth	440′	

Drilling at 21' in the Kansas City on 6/26/2009 Background Gas (BG) 15 units

Mo Oil & Gas Council

21-30: SS: tan, gummy, lots of quartz, friable

31-40: SS: grey, gummy, in a shale like matrix, friable, no oil shows

Making some water- drilling with water

41-50: SS: grey, gummy, in a shale matrix, friable, no oil show

51-60: SS: grey, shale matrix, friable, some firm, no oil show

61-70: SS: grey, shale matrix, friable, LS: cream and tan

71-80: SH: grey, gummy, sandy, LS: grey/tan, Crinoid stems

81-90: SH: grey, gummy, LS: cream/tan, SH: black

→83: SH: dk grey

91-100: LS: lt grey, tan

101-110: SH: grey, limey, lots of pyrite, LS: grey, angular

111-120: SH: grey, gummy, sandy, LS: (116-20) brown/dk grey angular

LEXINGTON ZONE Geologist called @121-123', gas kick of 77 units over BG **GAS TEST @140', 22 MCF Total**

121: SH: black, poor gas in samples

BG is running at 137

121-130: SH: black, dk grey, SS: grey, large grained, firm, pyrite, no oil

131-140: SH: grey, silty, SS: grey, medium grained, well cemented, firm

Making more water

CG of over 1000 units

141-150: SH: grey, gummy, LS: occ. Cream/grey

151-160: SH: grey, very gummy

CG over 1000 units

161-170: SH: grey, some banded with black, very gummy

171-180: SH: grey, gummy, SS: 179-180: small grained, soft, some limey no oil

CG of 1400 units

181-190: SH: grey, gummy, SS: tan, small-medium grained, firm, friable, no oil shows in samples, no break out, no oil in pit

SQUIRREL SAND ZONE Geologist called at 191, no gas kick

191-200: SS: tan, angular, medium grained, well cemented-firm, but friable, no

oil show on samples, in samples or in pit

201-210: SS: tan, very angular, large grained, SH: grey- no oil show, no pit,

none in samples

211-220: SS: grey, fine grained, limey, -siltstone- no oil shows, some black oil

in pit, but not very much

221-230: SS: medium grained, soft, some oil in break out, some oil in pit

231-240: SS/SH: grey, very gummy, SS: 238: medium grained, oil shows on surface, in pit, oil to this point has been black, this oil is tan.

Started coring. Cored 5 feet and the rig broke down. Pressure oil leaked from the compressor. The compressor needs a new filter. It has been ordered and will be here on Monday 6/29/2009. Stopped drilling and called it a day at 3:00pm. The core descriptions are below:

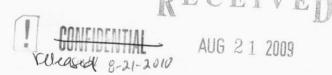
240-241: SS: cemented with shale, bleeding oil, friable in places

241-242: SS: cemented with shale, friable in places, less bleeding oil

242-243: SS: grey, shaley, no to very little oil, very friable

243-244: Shaley, gummy, friable, no oil

244-245: Shaley, gummy, friable, no oil



Fixed the air compressor. Started drilling at 2:30pm on 6/29/200 Gas Council

241-250: SS: grey, lt grey, medium grained, friable, soft, break out oil in

248: bleeding oil sand. Oil is tan and thin, no gas kick

251-260: SS:

251-253: friable, very few samples, heavier bleeding oil,

254-260: SS: 1t grey, oil stains on samples, medium grained, break out oil

CG: of 180 units

261-270: SS: 1t grey, medium grained, clean-no shale, bleeding oil tapered from

tan to black, heavy oil, SS is easily broken, some breakout oil

271-280: SS: lt grey, clean, medium firmness, medium grained, lots of black

BEVIER COAL ZONE Geologist called @279', gas kick of 0 units over BG No gas kick, no gas test completed

280: Coal-fair gas in sample, lots and lots of Pyrite 281-290: LS: 1t grey, grey

CROWEBURG ZONE Geologist called at 292-293: Gas kick of 1140 units **GAS TEST @300', surging between 175 and 209 MCF Total**

291-300: SH: grey, dk grey, black, grey is limey, some pyrite, coal 292-293: SH: dk grey, black, good to very good gas in samples

FLEMING COAL ZONE Geologist Called at 300: coal

300: coal

301-310: SH: grey, silty, some pyrite, some dk grey shale

311-320: SH: 1t grey, Coal

SCAMMON ZONE Geologist called at 318-319: coal, 325-326

CG of 800 units

321-330: SH: lt grey

325-326: Coal, good gas in samples, lots of pyrite

331-340: SS: grey, small grained, some shaley, well cemented

341-350: SS: It grey, small to medium grained, soft, no oil stains

351-360: SS: It grey, small to medium grained, soft, no oil

**GAS TEST @360', surging between 175-209 MCF Total

361-370: SS: light grey, small to medium grained, soft, no oil

371-380: SS: It grey, small to medium grained, soft, no oil

381-390: SS: 1t grey, medium grained,

388: oil stains, oil in pit SS: soft, little break out oil

391-400: SS: grey and dk grey, interbedded, interbeded is small grained, lt grey is large grained, lots of pyrite-still some bleeding sand, not much.

Interbedded is flaky and soft, lt grey is medium hardness

401-410:

401-406: SS: medium - large grained, no breakout oil

407-410: SS: dk grey, shaley

411-420: SS: grey, dk grey, shaley

421-430: SS: lt grey, large grained, dk grey: shaley

431-440: SS: It grey, medium grained, medium firmness, no oil

GAS TEST @440', 175 MCF Total

Total Rotary Depth, 440 on 6/29/2009 at 6:15pm



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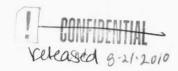
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File No.	Company	Osborn Energy, LLC	ly, LLC	
	Well	Bagby No. 2-32	2-32	
7	Field	Wildcat		
850	County	Bates	State Missouri	ouri
7	Location			Other Services
# timne		1596' FNL & 261' FWL NW/4	1' FWL	
Ы	Sec. 32	Tun 42n	Rue 32W	Elevation
	Permanent Datum		Elevation 881'	K B NA
	Log Measured From Drilling Measured From	From GL red From GL		D.F. NA G.L. 881
)ate		7-08-2009		
un Number		One		
epth Driller		440.0		
epth Logger		438.5		
ottom Logged Interval	ıval	436.5		
op Log Interval		15.0		
luid Level		22.0		
ype Fluid		Water		
ensity / Viscosity		NA		
alinity - PPM CI		NA		
fax Recorded Temp	du	AM		
stimated Cement Top	Top	Not Cemented		
quipment No.	Location	107 Osawatomie		
ecorded By		Steve Windisch		

interpretations are also subject to our general terms and conditions set out in our current Price Schedule. asts, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss. All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or

Comments

Osborn Energy, LLC Drilling Contractors: Mo Oil & Gas Council



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<<< Fold Here >>>

TO 20.0

CASING RECORD FROM 0.0

Jeff Taylor

itnessed By

RUN N

BORE-HOLE RECORD FROM

WGT

7.00 SIZE

20.0 5

> 20.0 0.0

9.75" 6.25"

One 2

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Database File: Dataset Pathname: bgby2-32.db pass1

Velegard 6-21-2010

AUG 21 2009

Presentation Format: Dataset Creation:

gr-n-ccl

Wed Jul 08 11:00:45 2009 by Log Std Casedhole 07122

Mo Oil & Gas Council

Depth in Feet scaled 1:240 Charted by: 2000 Neutron 10 150 Gamma Ray Fluid Level 50 100 150

